

Abstract

A canister purge valve for regulating fuel vapor flow between a fuel vapor collection canister and an intake manifold of an internal combustion engine. The canister purge valve includes a body defining a passage extending between a first port and a second port. The first port is adapted for fuel vapor communication with the fuel vapor collection canister. The second port is adapted for fuel vapor communication with the intake manifold of the internal combustion engine. A seat is disposed in the passage. The seat defines an aperture having a sealing surface disposed about a central axis. An elastomeric actuator extends through the aperture, and is deformable between a first configuration that engages the sealing surface to prohibit fuel vapor flow through the aperture, and a second configuration spaced from the sealing surface to permit fuel vapor flow through the aperture.